

Anshul Tatware

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Education

SGSITS
Bachelor of Technology

Indore MP
2020 – 2024

Experience

SDE 1
Pixel Technology

March 2025 – August 2025
Indore MP

- Architected scalable WhatsApp Business platform (TrioChat) serving 100+ businesses with real-time messaging infrastructure, achieving less than 100ms message delivery latency and supporting 10,000+ concurrent connections using React, Next.js, and WebSockets
- Engineered dynamic message template system supporting carousel, flow, and interactive templates based on Meta Business API specifications, resulting in 47% higher click-through rates and reducing template creation time from 30 minutes to 3 minutes
- Optimized application performance through RTK Query caching and code-splitting implementation, decreasing initial bundle size by 65% and improving Core Web Vitals scores by 40% (LCP from 4.2s to 2.5s)
- Developed P2P cryptocurrency trading platform (TradeAlchemy) with integrated wallet support (MetaMask, TronLink), achieving a 94% transaction success rate through optimized smart contract integration
- Built component library with 45+ reusable UI components using Chakra UI & Shadcn UI, reducing development time by 60% across 8 projects and increasing code reusability from 23% to 78%

Key Technologies: React, Next.js, React Native, TypeScript, Redux, Zustand, RTK Query, WebSockets, TanStack Query/Table, Tailwind CSS, Jest, Docker, CI/CD

Intern
Pixel Technology

December 2024 – March 2025
Indore MP

- Developed Tools Buddy multi-utility web application from concept to production using Next.js & Fluent UI, serving 1,200+ active users with 98.5% uptime and 4.7/5 user satisfaction rating
- Implemented responsive design system ensuring 100% cross-device compatibility across 15+ device types, increasing mobile user retention by 34% and reducing bounce rate from 68% to 42%
- Applied advanced performance optimization techniques including lazy loading and code-splitting, achieving 89 Lighthouse performance score and reducing page load times by 43% (from 5.1s to 2.9s). Optimized performance with lazy loading, code-splitting, caching, reducing load times by ~30%.
- Integrated comprehensive analytics tracking with Google Analytics and PostHog, capturing 25+ user interaction events and providing actionable insights that improved user engagement by 28%.

Key Technologies: HTML5, CSS3, JavaScript, TypeScript, Next.js, React, Tailwind CSS, Fluent UI, Git/GitHub, Google Analytics, PostHog

Projects

TrioChat | React, Next.js, WebSockets, Zustand, Redux, Chakra UI, Node.js, PostHog, Docker. <https://triochat.io/>
WhatsApp Business SaaS platform enabling businesses to manage customer communication at scale with real-time messaging and automated workflows. Built complete template creation system (normal, carousel, WhatsApp Flow), contact management, broadcast campaigns, and CRM analytics platform. Architected scalable frontend infrastructure with Docker deployment and improving platform scalability

TradeAlchemy | React, React Native, TanStack Query, MetaMask, TronLink, Jest, CI/CD. <http://13.231.101.157/>
P2P cryptocurrency trading platform with secure multi-wallet integration, real-time order matching, and automated token release mechanisms. Developed complete trading ecosystem including withdrawal/deposit systems, P2P marketplace, real-time price tracking, and integrated trader communication. Built cross-platform mobile app with React Native/Expo, implemented comprehensive testing with Jest, and CI/CD pipelines

PokéAPI Dashboard | Next.js, TypeScript, TailwindCSS, Zustand, TanStack Query, IndexedDB. <https://poke-api-theta-ashen.vercel.app/>
A high-performance PokéAPI dataset explorer supporting both PokéAPI fetching and 100MB+ CSV uploads with schema mapping. Features an interactive editable TanStack Table with sorting, filtering, pagination, and dynamic column addition. All data and edits persist offline via IndexedDB, with options for real-time updates, CSV export, theme toggle, and responsive UI for seamless usability.

Technical Skills and Coursework

HTML, CSS, JavaScript (ES6+), TypeScript, C++, React, Next.js, Redux, Zustand, React Query, Node.js, MongoDB, REST APIs, GraphQL, WebSockets, Tailwind CSS, Docker, CI/CD (GitHub Actions, GitLab), AWS, Vercel, Git, GitHub, Bitbucket, Postman, Hoppscotch, Figma, VS Code
Coursework: Data Structures & Algorithms, Computer Networks, Object-Oriented Programming